NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/YD-W-1/2018-19/BJ-C1

Date: 11-02-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to roads and drains at Bharatgowda layout and GKVK layout and surrounding areas in Kempegowda ward no-01 and Improvements to roads and drains at Jayamuninagara and surrounding areas in Kempegowda ward no-01.}
Ref.: Material testing/PMC/18-19,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Onkarappa. H. V.

PHYSICAL TESTS ON CEMENT

Brand : ACC
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	164 min	Shall not be less than 30 min
2	Final setting time	252 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.26 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	2.11 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	29.07 N/Sq mm	Shall not be less than 27 N/Sqmm

KIRAN. R
B.E, (Civil-Engg)

A.E.E

For Newzen Consultants Bangalore

Proprietor

Scanned by CamScanner

NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/YD-W-1/2018-19/BJ-PCC2

Date: 14-02-2019

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements to roads and drains at Bharatgowda layout and GKVK layout and surrounding areas in Kempegowda ward no-01 and Improvements to roads and drains at Jayamuninagara and surrounding areas in Kempegowda ward no-01.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Onkarappa. H. V.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	53.95	0 -20	30- 70
10mm	28.10	0 -5	10- 35
4.75mm	4.25	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	96.85	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	80.40	60-95	75-100	85-100	
01.18	74.95	30-70	55-90	75-100	
600.mic	52.70	15-34	35-59	60-79	
300.mic	26.10	5-20	8-30	12-40	
150.mic	7.25	0-10	0-10	0-10	

K. R
KIRAN. R
M.E, (Civil-Engg)

A.E.E

For Newzen Consultants Bang

Proprietor

Scanned by CamScanner

NC/QC/YD-W-1/2018-19/BJ-CB4A Date: 20-03-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements to roads and drains at Bharatgowda layout and GKVK layout and surrounding areas in Kempegowda ward no-01 and Improvements to roads and drains at Jayamuninagara and surrounding areas in Kempegowda ward no-01.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Onkarappa. H. V.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	20-02-19	20-03-19	28	22500	505	22.44	22.81
	002	"	"	"	"	515	22.89	
	003	"	"	"	"	520	23.11	

KIRAN. R
M.E, (Civil-Engg)

AE-1
A.E.E

For Newzen Consultants Bangalore
Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

Scanned by CamScanner

NC/QC/YD-W-1/2018-19/BJ-K2 Date: 11-03-2019

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.
{Project*: Improvements to roads and drains at Bharatgowda layout and GKVK layout and surrounding areas in Kempegowda ward no-01 and Improvements to roads and drains at Jayamuninagara and surrounding areas in Kempegowda ward no-01.}
Ref.: Material testing/PMC/18-19,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Onkarappa. H. V.

1. PHYSICAL TESTS ON KERB STONES :

Sl No.	Identification	Flexural strength, fcr in N/sqmm	Characteristic Compressive Strength, fck in N/sqmm	Avg. Characteristic. Compressive Strength fck in N/sqmm	Remarks
1	001	3.34	22.74	22.76	As per Cl. 6.2.2 of IS 456- 2000, fcr=0.7√ fck
2	002	3.39	23.41		
3	003	3.30	22.13		

2. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.99	4.88
2	002	4.86	
3	003	4.80	

KIRAN. R
M.E, (Civil-Engg)

A.E.E

For Newzen Consultants Bangalore
Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

Scanned by CamScanner